

### **REMARKS**

By entry of this amendment, claims 46-78 are pending in this application. Claims 1-45 have been canceled and new claims 46- 78 have been added. No new matter has been added. The claims 46-78 recite features from claims 1-45, and replace claims 1-45 in order to place the present claims in conformance with a related Chinese application. In view of foregoing amendments and following remarks, the applicants request allowance of the application.

#### **Claim Rejections under 35 U.S.C. §103(a)**

Claims 1-45 have been canceled. Accordingly, the rejections of the claims is moot.

#### **New Claims 46-78**

New independent claim 46 incorporates the features of indicated allowable claim 2 as well as other features that are not disclosed or suggested in the applied prior art. Independent claim 46 replaces the "signal feature" of claim 2 with "the output signal of the modulator or a state variable of the loop filter."

For example, new claim 46 recites, in part :

controlling the noise transfer function from the intermediate control signal such that ***the noise transfer function is changed to suppress quantization noise to a smaller extent when the output signal of the modulator or a state variable of the loop filter represents a relatively large amplitude, whereas when the output signal of the modulator or a state variable of the loop filter represents a relatively small amplitude, the noise transfer function is changed to suppress quantization noise to a larger extent.***

Accordingly, claim 46 is allowable. Claims 47-60 depend from claim 46, and are also allowable.

Similarly, new independent claim 61 incorporates the above highlighted language of indicated allowable claim 2 as well as other features that are not disclosed or suggested in the applied prior art. Claims 62-78 depend from claim 61, and are also allowable.

**CONCLUSION**

All outstanding rejections have been overcome. It is respectfully submitted that, in view of the foregoing amendments and remarks, the application is in clear condition for allowance. Issuance of a Notice of Allowance is earnestly solicited.

Although not believed necessary, the Office is hereby authorized to charge any fees required under 37 C.F.R. § 1.16 or § 1.17 or credit any overpayments to Deposit Account No. 11-0600.

The Office is invited to contact the undersigned at 202-220-4200 to discuss any matter regarding this application.

Respectfully submitted,

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